

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-15 (Canceled)

16. (New) A colloidal dispersion comprising particles of a rare earth compound, an acid, an organic phase, and an antioxidant.

17. (New) The dispersion as claimed in claim 16, wherein the antioxidant is selected from the group consisting of a substituted derivative of phenol, an aromatic amine and a tocopherol.

18. (New) The dispersion as claimed in claim 17, wherein the antioxidant is an alkyl- or alkoxyphenol.

19. (New) The dispersion as claimed in claim 18, wherein the antioxidant is 2,6-di-*tert*-butylphenol, 2,6-di-*tert*-butyl paracresol, or 2-*tert*-butyl-4-methoxyphenol.

20. (New) The dispersion as claimed in claim 16, wherein the rare earth is cerium, lanthanum, yttrium, neodymium, gadolinium, or praseodymium.

21. (New) The dispersion as claimed in claim 16, further comprising at least one other element (E) selected from the groups IIA, 1VA, VIIA, VIII, IB, IIB, IIIB and IVB of the Periodic Table of the Elements.

22. (New) The dispersion as claimed in claim 16, wherein the acid is an amphiphilic acid.

23. (New) The dispersion as claimed in claim 16, wherein at least 90% of the particles are monocrystalline.

24. (New) The dispersion as claimed in claim 23, wherein the particles have a d_{50} of between 1 and 5 nm, optionally between 2 and 3 nm.

25. (New) The dispersion as claimed in claim 16, wherein the particles are not larger than 200 nm, said dispersion having at least one of the following characteristics:

said particles are in the form of aggregates of crystallites whose d_{80} , advantageously d_{90} , is not more than 5 nanometers, 90% (by weight) of the aggregates comprising 1 to 5, optionally 1 to 3 crystallites;

the acid is an amphiphilic acid comprising at least one acid with 11 to 50 carbon atoms, having at least one alpha, beta, gamma, or delta branch of the atom bearing the acidic hydrogen.

26. (New) The dispersion as claimed in claim 16, wherein the particles of a rare earth compound that have been obtained by a method comprising the following steps:

- a) a solution is prepared comprising at least one soluble salt, optionally a rare earth acetate or chloride;
- b) the solution is contacted with a basic medium forming a reaction mixture maintained at a basic pH to form a precipitate; and
- c) the precipitate formed is recovered by spraying or freeze-drying.

27. (New) The dispersion as claimed in claim 16, wherein the acid is a fatty acid of tallol, soybean oil, tallow, linseed oil, oleic acid, linoleic acid, stearic acid, an

isomer thereof, pelargonic acid, capric acid, lauric acid, myristic acid, dodecylbenzenesulfonic acid, ethyl-2-hexanoic acid, naphthenic acid, hexoic acid, toluenesulfonic acid, toluenephosphonic acid, laurylsulfonic acid, laurylphosphonic acid, palmitylsulfonic acid, or palmitylphosphonic acid.

28. (New) A fuel for internal combustion engines with enhanced stability of the particles of the rare earth compound comprising a colloidal dispersion as defined in claim 16, as an additive.

29. (New) A process for making a fuel for an internal combustion engine as defined in claim 28, comprising the step of mixing a colloidal dispersion as defined in claim 16 with a conventional fuel.